

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No. : Q90317

Satoru SHOSHI

Appln. No. : 10/549,668

Group Art Unit : 1794

Confirmation No. : 3756

Examiner : Daniel R. Zirker

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For PRESSURE SENSITIVE ADHESIVE SHEET FOR PROTECTING SURFACE AND
METHOD FOR PRODUCTION THEREOF

DECLARATION UNDER 37 C.F.R. § 1.132

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir :

I, Satoru SHOSHI, hereby declare and state :

THAT I am a citizen of Japan ;

THAT I graduated in Engineering from Tokai-University in March of 1987 ;

THAT I have been employed by Lintec Corporation since April of 1987, where
I hold a position as a researcher for the development of functional materials of thin
films and functional adhesives ;

I have prepared pressure sensitive adhesive sheets for protecting surface of
Example 1 of the present invention and Comparative Example 1 of the present
specification.

Preparation of a pressure sensitive adhesive sheet for protecting surface in Example
1 of the present invention.

A pressure sensitive adhesive sheet for protecting surface was prepared by the
same method as the preparation of Example 1 of the present specification.

Preparation of a pressure sensitive adhesive sheet for protecting surface in Comparative Example 1 of the present specification.

A pressure sensitive adhesive sheet for protecting surface was prepared by the same method as the preparation of Comparative Example 1 of the present specification.

I have measured a retardation (Re) as one of optical characteristics of the pressure sensitive adhesive sheets for protecting surface of Example 1 of the present invention and Comparative Example 1 of the present specification.

Preparation of test pieces of the pressure sensitive adhesive sheets for protecting surface of Example 1 of present invention and Comparative Example 1

The pressure sensitive adhesive sheets for protecting surface of Example 1 of the present invention and Comparative Example 1 were cut to obtain small test pieces having a size of 5 by 5 centimeters.

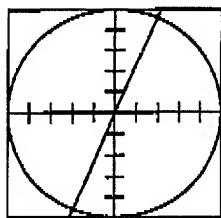
Measurement of retardation (Re) of the test pieces

A retardation is a character of optical isotropy. If the value of the retardation is small, the optical isotropy is excellent. If the value of the retardation is large, the optical isotropy is inferior.

By using a phase difference measuring device (Trade name, "KOBARA-WR", manufactured by OJI MEASURING MACHINE Co. Ltd.), the data of retardation (Re) of the test pieces were measured.

The results were indicated in the following.

Example 1 of present invention



Wave length λ (nm) = 587.8

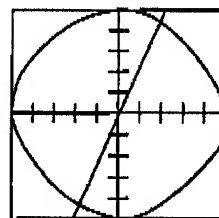
Orientation angle = - 20.9

Re (nm) = 6.7

Degree = 1

Ratio = 0.9976

Comparative Example 1



Wave length λ (nm) = 587.8

Orientation angle = - 14.4

Re (nm) = 2406.7

Degree = 9

Ratio = 0.9976

As shown above, the value of retardation (Re) of the pressure sensitive adhesive sheets for protecting surface of Example 1 of the present invention is 6.7. This value is very small. Accordingly, the optical isotropy is very excellent.

On the contrary, the value of retardation (Re) of the pressure sensitive adhesive sheets for protecting surface of Comparative Example 1 is 2406.7. This value is very large. Accordingly, the optical isotropy is very inferior.

I declare further that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date : _____

Satoru SHOSHI